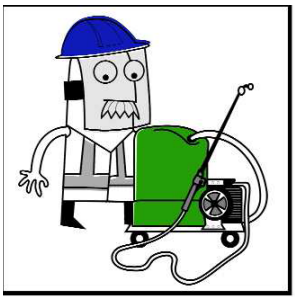
STAINLESS RESTORATION LTD

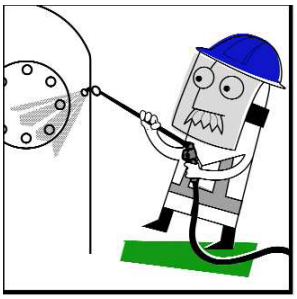
SPRAY PICKLE GEL - HIGH STRENGTH

enerjex 230 EXTRA

PRODUCT:	ENERJEX 230 EXTRA
APPLICATION:	300 SERIES STAINLESS STEELS DUPEX STAINLESS STEELS NICKELALLOYS - Hastelloys, Inconels. FOR SUITABILITY ON OTHER METALS PLEASE CONSULT OUR SALES DESK.

GENERAL:





Enerjex 230Extra pickle gel is a very aggressive pickling acid than its close relative Enerjex 230. Designed for descaling stainless steels and other grades as listed above.
It has been particularly designed to be used on Duplex family stainless steels Its texture lends itself to spray application along weld seams and larger surfaces such as whole vessels or fabrications to achieve a homgenous "white" pickle appearance.

During the welding process the steel is raised above its oxidising temperature (~400 C) and the formation of a rainbow coloured oxide film appears on the surface (the oxide scale itself is a type of corrosion "dry corrosion"
The oxide scale is/can be deleterious to the corrosion resistant properties of the stainless steel, particularly when a steel is operating close to its design limits. Enerjex 230 will remove these areas and help restore the corrosion resistant properties across the weld and HAZ

Enerjex 230 conforms to ASTM A380

CHEMICAL PROPERTIES:

Composition:	Nitric acid Hydrofluoric acid Binding agent
Form:	Gel/Semi-Liquid
Density:	1.3 kg/l
pH:	0
Flash point:	-

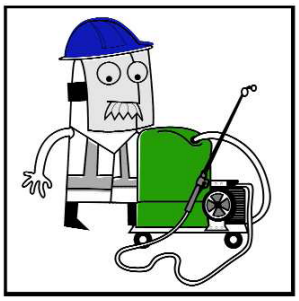


STAINLESS RESTORATION LTD

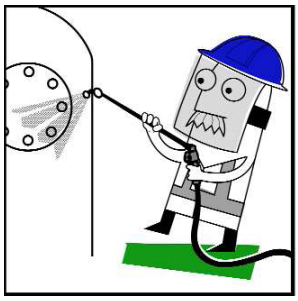
SPRAY PICKLE GEL - HIGH STRENGTH

enerjex 230 EXTRA

HOW TO USE:



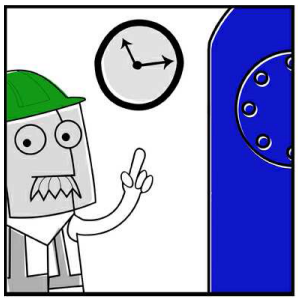
1) it is important that the drum of Enerjex 230 is stired or shaken thoroughly to ensure even mixing of the acid blend. During storage the solution may separate.



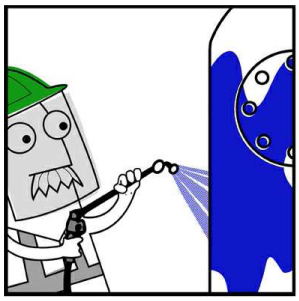
2) At this stage it is assumed that a pre-clean with Enerjex 410 or 425 has been made to prepare the surface for pickling. The Enerjex 240 should be applied using a dedicated applicator pump such as the Enerjex 714 Diaphragm pump or 712 compression spray applicator.

Apply the spray gel evenly over the entire surface.

Only trained persons to use this product.



3) Enerjex 230 contact time is a function of Temperature, Grade. Typically for Duplex S31803 in summer will be 240 minutes. It is important that proper PPE is used.



4) Ensure that all the acid is rinsed of the surface using a high pressure washer. A "forced " passivation procedure may be considered afterwards.
If all the acid and rinse water is not removed properly brown staining may result. See our technical desk for further advice.

PACKAGING:

Enerjex 230 is supplied in 25 ltr containers. Larger sizes on request.

All containers are UN certified and carry correct labelling.

STORAGE:

Enerjex 230 should be stored indoors at room temperature.

Containers must be kept in an upright positionand the caps properly sealed and away from unauthorised persons.

SAFETY FIRST:

As always when using chemicals proper protective clothing must be worn;
See Safety Data (SDS) sheets. Only trained persons to use this product.
SRL can offer training on the safe & proper use and storage of this product.

ENVIRONMENT:

The waste produced after pickling needs to be collected and neutralised before entering the public sewage system. Stainless Restoration Ltd offer neutralising products to assist in this cause. Stainless Restoration Ltd will give advice FREE of any charge concerning disposal issue. See Safety Data (SDS) sheets.

Information given in this leaflet may be subject to alteration without notice
care has been taken to ensure that the contents of this publication are accurate but Stainless Restoration Ltd do not accept responsibility for error or for information which is found to be misleading. Suggestions for or descriptions of the end use or application of products or methods of working are for information only and the company accept no liability in respect therof. Before using products supplied or manufactured by the company the customer should satisfy himself of their suitability. If further assistance is required, the company which has access to extensive research facilities, will often be willing to help.

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